

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10565426"	US-PGPUB; USPAT	OR	OFF	2009/04/21 16:54
S2	6	((DAVID) near2 (HALLAM)). INV.	US-PGPUB; USPAT	OR	OFF	2009/04/22 08:56
S3	13	((DAVID) near2 (HALLAM)). INV.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 09:29
S4	2	"10565428"	US-PGPUB; USPAT	OR	OFF	2009/04/24 13:40
S5	8	"1348448"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/24 13:56
S6	10	"2358350"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/24 13:58
S7	57	"028880"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/24 13:59
S8	4	"03028880"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/24 14:00
S9	12	"5087428"	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:02
S10	0	"2003131439"	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:03
S11	0	"2003/131439"	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:03
S12	0	"2003/0131439"	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:03
S13	1	"20030131439"	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:03
S14	2	"7040101"	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:44
S15	6860	takeda.in.	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:45
S16	157	takeda.in. and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:45
S17	602706	takeda.in. and ozone and ion generator	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:46
S18	3	takeda.in. and ozone and "ion generator"	US-PGPUB; USPAT	OR	OFF	2009/04/24 14:46
S19	14	"4842829"	US-PGPUB; USPAT	OR	OFF	2009/04/24 16:06

S20	20	("1981650" "3745750" "3757495" "3844741" "3937967" "4630530" "4694179").PN. OR ("4842829").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/24 16:11
S21	10	HAF and filtrete	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/24 16:54
S22	99	("1850413" "1862103" "1961911" "20030003856" "20030127108" "20030143938" "20030159363" "20040098923" "20040109978" "20040148866" "20040166788" "20040170801" "20040170802" "20040209561" "20050124274" "20060019579" "2123581" "2740239" "2749681" "2838890" "2984052" "3021649" "3353308" "3420007" "3861892" "3932966" "4001366" "4062152" "4158935" "4282011" "4287685" "4437269" "4590113" "4609581" "4631220" "4645699" "4722203" "4725487" "4759155" "4844967" "4920702" "4932163" "4937984" "4964243" "4964245" "5007206" "5036627" "5131924" "5254194" "5256231" "5317886" "5354591" "5367839" "5389032" "5458532" "5490878" "5505747" "5533923" "5578343" "5607345" "5616394" "5667540" "5674122" "5695533" "5807161" "5810650" "5891549" "5904793" "5954844" "5989112" "6024634" "6059644" "6074292" "6077156" "6077601" "6190246" "6197076" "6280824" "6312325" "6368199" "6482308" "6575821" "6579162" "6613113" "6790126" "6923840"). PN. OR ("7244170").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/24 16:57

S23	44	filtrete and 3m.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/24 17:10
S24	0	56-47299	JPO	OR	OFF	2009/04/24 17:12
S25	0	"5647299"	JPO	OR	OFF	2009/04/24 17:12
S26	1	"56047299"	JPO	OR	OFF	2009/04/24 17:12
S27	0	"JP5647299"	JPO	OR	OFF	2009/04/24 17:13
S28	0	"47299"	JPO	OR	OFF	2009/04/24 17:13
S29	119	"47299"	US-PGPUB; USPAT; JPO	OR	OFF	2009/04/24 17:13
S30	0	"47299" with JP	US-PGPUB; USPAT; JPO	OR	OFF	2009/04/24 17:13
S31	119	"47299"	US-PGPUB; USPAT; JPO	OR	OFF	2009/04/24 17:13
S32	7	filtrete and 3m.as. and (HAF or high\$1air\$1flow)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/24 17:19
S33	11	3m.as. and (HAF or high \$1air\$1flow)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/24 17:25
S34	2044	ozone with decomposition	US-PGPUB; USPAT	OR	OFF	2009/04/27 09:44
S35	304	ozone with decomposition with (way or method or approach)	US-PGPUB; USPAT	OR	OFF	2009/04/27 09:45
S36	199	ozone near3 decomposition with (way or method or approach)	US-PGPUB; USPAT	OR	OFF	2009/04/27 09:45
S37	199	(ozone near3 decomposition) with (way or method or approach)	US-PGPUB; USPAT	OR	OFF	2009/04/27 09:45
S38	186	(ozone near3 decomposition) with (method or approach)	US-PGPUB; USPAT	OR	OFF	2009/04/27 09:45
S39	84	(ozone near3 decomposition) near3 (method or approach)	US-PGPUB; USPAT	OR	OFF	2009/04/27 09:47
S40	1	(ozone near3 adsorption)	US-PGPUB; USPAT	OR	OFF	2009/04/27 11:10
S41	3	(ozone with adsorption)	US-PGPUB; USPAT	OR	OFF	2009/04/27 11:10
S42	613	(ozone with adsorption)	US-PGPUB; USPAT	OR	OFF	2009/04/27 11:11
S43	235	(ozone near3 adsorption)	US-PGPUB; USPAT	OR	OFF	2009/04/27 11:11

S44	126	(ozone near3 adsorption) and (air or gas) and (purify or purification or cleaner or clean or cleanse)	US-PGPUB; USPAT	OR	OFF	2009/04/27 11:13
S45	469993	(air or gas) and (purify or purification or cleaner or clean or cleanse or purifier)	US-PGPUB; USPAT	OR	OFF	2009/04/27 11:43
S46	24200	(air or gas) and (purify or purification or cleaner or clean or cleanse or purifier) and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/27 11:43
S47	3036	(air or gas) and (purify or purification or cleaner or clean or cleanse or purifier) and ozone and corona	US-PGPUB; USPAT	OR	OFF	2009/04/27 11:43
S48	566	(air or gas) and (purify or purification or cleaner or clean or cleanse or purifier) and ozone and corona and fan	US-PGPUB; USPAT	OR	OFF	2009/04/27 11:43
S49	321	(air or gas) and (purify or purification or cleaner or clean or cleanse or purifier) and ozone and corona and fan and @py< "2005"	US-PGPUB; USPAT	OR	OFF	2009/04/27 12:06
S50	0	"10371917"	US-PGPUB; USPAT	OR	OFF	2009/04/27 15:34
S51	2	"10/371917"	US-PGPUB; USPAT	OR	OFF	2009/04/27 15:34
S52	8	("20040042935" "4272261" "5023020" "5030253" "5228235" "5656063" "5702507" "5968214").PN. OR ("6800119").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/27 15:34
S53	111	("0977335" "0977336" "1049775" "2142128" "2205831" "2225677" "2249801" "2297933" "3215616" "3250915" "3511030" "3696269" "4244712" "4507131" "4516991" "4781736" "4902306" "4955991" "5045095" "5055115" "5185015" "5302190" "5330559" "5350443" "5445798" "5454859").PN. OR ("5656063").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/27 15:47

S54	0	(ozone with generat\$3) and corona and fan and electrode and (power same 1-50)	US-PGPUB; USPAT	OR	OFF	2009/04/28 10:34
S55	296	(ozone with generat\$3) and corona and fan and electrode and (power or watt)	US-PGPUB; USPAT	OR	OFF	2009/04/28 10:36
S56	291	(ozone with generat\$3) and corona and fan and electrode and (power or watt) and (air or gas)	US-PGPUB; USPAT	OR	OFF	2009/04/28 10:37
S57	39	(ozone with generat\$3) and corona and fan and electrode and (power or watt) and ((air or gas) same (purfier or cleaner))	US-PGPUB; USPAT	OR	OFF	2009/04/28 10:37
S58	5	(ozone with generat\$3) and corona and fan and electrode and ("power rating" or watt) and ((air or gas) same (purfier or cleaner))	US-PGPUB; USPAT	OR	OFF	2009/04/28 10:53
S59	0	((TiO2 or "tiO.sub.2") with borosilicate) and glass and "ozone generator"	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:55
S60	0	((TiO2 or "tiO.sub.2") with borosilicate) and "ozone generator"	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:55
S61	434	((TiO2 or "tiO.sub.2") with borosilicate)	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:55
S62	111	((TiO2 or "tiO.sub.2") with borosilicate) and dielectric	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:55
S63	37	((TiO2 or "tiO.sub.2") with borosilicate) and dielectric and plasma	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:56
S64	1	((TiO2 or "tiO.sub.2") with borosilicate) and dielectric and plasma and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:57
S65	74	((TiO2 or "tiO.sub.2") with borosilicate) and plasma	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:58
S66	163	((TiO2 or "tiO.sub.2") same borosilicate) and plasma	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:58
S67	603004	((TiO2 or "tiO.sub.2") same borosilicate) and plasma and ozone generator	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:58
S68	4	((TiO2 or "tiO.sub.2") same borosilicate) and plasma and "ozone generator"	US-PGPUB; USPAT	OR	OFF	2009/04/28 12:59

S69	4	((TIO ₂ or "tiO.sub.2") same (borosilicate or Pyrex or Duran or Kimax)) and plasma and "ozone generator"	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:01
S70	16	((TIO ₂ or "tiO.sub.2") same (borosilicate or Pyrex or Duran or Kimax or glass)) and plasma and "ozone generator"	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:01
S71	221	((TIO ₂ or "tiO.sub.2") same (borosilicate or Pyrex or Duran or Kimax or glass)) and plasma and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:08
S72	0	((TIO ₂ or "tiO.sub.2") same (borosilicate or Pyrex or Duran or Kimax or glass) same strengthened) and plasma and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:08
S73	3	((TIO ₂ or "tiO.sub.2") same (borosilicate or Pyrex or Duran or Kimax or glass) same strength\$) and plasma and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:08
S74	221	((TIO ₂ or "tiO.sub.2") same (borosilicate or Pyrex or Duran or Kimax or glass)) and plasma and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:09
S75	80712	"tiO.sub.2"	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:09
S76	459	((TIO ₂ or "tiO.sub.2" or "titanium oxide") same (borosilicate or Pyrex or Duran or Kimax or glass)) and plasma and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:10
S77	19	((TIO ₂ or "tiO.sub.2" or "titanium oxide") same (borosilicate or Pyrex or Duran or Kimax or glass)) and plasma and "ozone generator"	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:10
S78	22906	((TIO ₂ or "tiO.sub.2" or "titanium oxide") same (borosilicate or Pyrex or Duran or Kimax or glass))	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:11
S79	15805	((TIO ₂ or "tiO.sub.2" or "titanium oxide") with (borosilicate or Pyrex or Duran or Kimax or glass))	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:12

S80	5361	((TIO2 or "tio.sub.2" or "titanium oxide") near4 (borosilicate or Pyrex or Duran or Kimax or glass))	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:12
S81	752	((TIO2 or "tio.sub.2" or "titanium oxide") near4 (borosilicate or Pyrex or Duran or Kimax or glass)) and (strengthen\$3 or re \$1inforced)	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:12
S82	173	((TIO2 or "tio.sub.2" or "titanium oxide") near4 (borosilicate or Pyrex or Duran or Kimax or glass)) and (strengthen\$3 or re \$1inforced) and dielectric	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:12
S83	59	((TIO2 or "tio.sub.2" or "titanium oxide") near4 (borosilicate or Pyrex or Duran or Kimax or glass)) and (strengthen\$3 or re \$1inforced) and dielectric and plasma	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:13
S84	22906	((TIO2 or "tio.sub.2" or "titanium oxide") same (borosilicate or Pyrex or Duran or Kimax or glass))	US-PGPUB; USPAT	OR	OFF	2009/04/28 13:16
S85	11101	((TIO2 or "tio.sub.2" or "titanium oxide") same (borosilicate or Pyrex or Duran or Kimax or glass))	EPO; JPO; DERWENT	OR	OFF	2009/04/28 13:16
S86	597343	((TIO2 or "tio.sub.2" or "titanium oxide") same (borosilicate or Pyrex or Duran or Kimax or glass)) and ozone generator	EPO; JPO; DERWENT	OR	OFF	2009/04/28 13:16
S87	8	((TIO2 or "tio.sub.2" or "titanium oxide") same (borosilicate or Pyrex or Duran or Kimax or glass)) and "ozone generator"	EPO; JPO; DERWENT	OR	OFF	2009/04/28 13:16
S88	1	"4970056"	EPO; JPO; DERWENT	OR	OFF	2009/04/28 13:23
S89	13	((TIO2 or "tio.sub.2" or "titanium oxide") same (borosilicate or Pyrex or Duran or Kimax or glass or dielectric)) and "ozone generator"	EPO; JPO; DERWENT	OR	OFF	2009/04/28 13:29
S90	11	(borosilicate) and "ozone generator"	EPO; JPO; DERWENT	OR	OFF	2009/04/28 13:43
S91	676	422/186.07.ccls.	US-PGPUB; USPAT	OR	OFF	2009/04/28 14:06

S92	248	422/186.18.ccls.	US-PGPUB; USPAT	OR	OFF	2009/04/28 14:08
S93	284	204/176.ccls.	US-PGPUB; USPAT	OR	OFF	2009/04/28 14:17
S94	2	"10565428"	US-PGPUB; USPAT	OR	OFF	2009/04/28 14:32
S95	0	"29808126"	US-PGPUB; USPAT	OR	OFF	2009/04/28 14:53
S96	1	"29808126"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/28 14:54
S101	9342	(air near4 (inlet and outlet)) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning))	US-PGPUB; USPAT	OR	OFF	2009/04/28 16:28
S102	5972	(air near4 (inlet and outlet)) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning)) and filter	US-PGPUB; USPAT	OR	OFF	2009/04/28 16:28
S103	2793	((air near4 (inlet and outlet)) same filter) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning)) and filter	US-PGPUB; USPAT	OR	OFF	2009/04/28 16:28
S104	1396	((air near4 (inlet and outlet)) same filter) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning)) and single	US-PGPUB; USPAT	OR	OFF	2009/04/28 16:29
S105	2032	((air near4 (inlet and outlet)) same filter) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning)) and ((single or one or only or sole) with filter)	US-PGPUB; USPAT	OR	OFF	2009/04/28 16:29
S106	126	((air near4 (inlet and outlet)) same filter) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning)) and ((single or one or only or sole) with filter) and plasma	US-PGPUB; USPAT	OR	OFF	2009/04/28 16:29

S107	40	((air near4 (inlet and outlet)) same filter) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning)) and ((single or one or only or sole) with filter) and plasma and @py< "2005"	US-PGPUB; USPAT	OR	OFF	2009/04/28 16:30
S108	1317	((air near4 (inlet and outlet)) same filter) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning)) and ((single or one or only or sole) with filter) and @py< "2005"	US-PGPUB; USPAT	OR	OFF	2009/04/28 16:36
S109	1317	((air near4 (inlet and outlet)) same filter) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning)) and ((single or one or only or sole) with filter) and @py< "2005"	US-PGPUB; USPAT	OR	OFF	2009/04/28 16:36
S110	1	("RE38130").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/29 12:58
S111	127	((("RE38130") or ("0906468") or ("1157859") or ("1454219") or ("1505669") or ("2876188") or ("2937983") or ("3256164") or ("3309300") or ("3326747") or ("3730874") or ("3833492") or ("3856671") or ("3865733") or ("3967131") or ("3883413") or ("3892237") or ("3905920") or ("3921002") or ("3963625") or ("3967131") or ("3988131") or ("4019986") or ("4025441") or ("4035657") or ("4048668") or ("4049400") or ("4049552") or ("4051045") or ("4062748") or ("4079260") or	US-PGPUB; USPAT	OR	OFF	2009/04/29 13:19

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		"5230220"	"5268151"				
		"5302343"	"5306471"				

		"5332563" "5366703" "5368816" "5387400" "5411713" "5445798" "5460705" "5466425" "5484472" "5484570" "5489533" "5493754" "5520893" "5527459" "5529760" "5593598" "5601786" "5611868" "5656063" "5656242" "5667563" "5667564" "5681533" "5702507" "5752878" "5759487" "5766560" "5814135" "5820828" "5824274" "5833740" "5872426" "5880916" "5904896" "5939030" "5961919" "5972196" "6005349" "6013021" "6013189" "6039884" "6042637" "6147452" "6153151" "6176977" "6200539" "6277291" "6342187" "6375904" "6387241" "6391269" "6447731" "6468953" "6475215" "6503458" "6508982" "6545608" "6589486" "6589489" "6673137" "6680028" "0906468"). PN.				
S113	0	S112 and 2002/0058000	US-PGPUB; USPAT	OR	OFF	2009/04/29 13:20
S114	0	((2002/0058000) or (2002/0094309) or (2002/0098109) or (2002/0134736) or (2002/0039577) or (2003/0113246) or (2003/0146082) or (2004/0047776)).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/29 15:12
S115	8	((("20020058000") or ("20020094309") or ("20020098109") or ("20020134736") or ("20020039577") or ("20030113246") or ("20030146082") or ("20040047776")).PN.	US-PGPUB; USPAT	OR	OFF	2009/04/29 15:13
S116	322	(air near4 (inlet and outlet)) and ((gas or air) with (purifier or purification or cleaner or cleanser or cleaning)) and "residence time"	US-PGPUB; USPAT	OR	OFF	2009/04/30 10:35

S117	194	(air near4 (inlet and outlet)) and ((gas or air with (purifier or purification or cleaner or cleanser or cleaning)) and "residence time" and "flow rate"	US-PGPUB; USPAT	OR	OFF	2009/04/30 10:36
S118	41	(air near4 (inlet and outlet)) and ((gas or air with (purifier or purification or cleaner or cleanser or cleaning)) and "residence time" and "flow rate" and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/30 10:36
S119	1969	"air humidifier" or "air purifier"	US-PGPUB; USPAT	OR	OFF	2009/04/30 10:57
S120	1330	"air humidifier" or "air purifier" and @py< "2005"	US-PGPUB; USPAT	OR	OFF	2009/04/30 10:57
S121	39	("air humidifier" or "air purifier") and @py< "2005" and (inlet with outlet with ("near" or close or proximate or proximity))	US-PGPUB; USPAT	OR	OFF	2009/04/30 10:59
S122	49	("air humidifier" or "air purifier") and @py< "2005" and ((inlet or intake) with (outlet or exhaust) with ("near" or close or proximate or proximity))	US-PGPUB; USPAT	OR	OFF	2009/04/30 11:00
S123	41	("2242278" "2394923" "2889007" "2983432" "3299620" "3597902" "3850598" "4072483" "4121916" "4129426" "4210429" "4236902" "4272261" "4370155" "4377399" "4385911" "4477270" "4526592" "4531956" "4560395" "4580582" "4627862" "4629482" "4726825" "4905340" "5096472" "5102435" "5139546" "5435817" "5753000"). PN. OR ("6156085").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/30 11:05
S124	465	("air humidifier" or "air purifier" or "air conditioner") and @py< "2005" and ((inlet or intake) with (outlet or exhaust) with ("near" or close or proximate or proximity))	US-PGPUB; USPAT	OR	OFF	2009/04/30 11:19

S125	33	("air humidifier" or "air purifier" or "air conditioner") and @py<"2005" and ((inlet or intake) with (outlet or exhaust) with ("near" or close or proximate or proximity)) and portable	US-PGPUB; USPAT	OR	OFF	2009/04/30 11:19
S126	273718	(single or one or sole) with filter	US-PGPUB; USPAT	OR	OFF	2009/04/30 11:58
S127	273718	((single or one or sole) with filter)	US-PGPUB; USPAT	OR	OFF	2009/04/30 11:58
S128	114540	((single or one or sole) with filter) and (air or gas)	US-PGPUB; USPAT	OR	OFF	2009/04/30 11:59
S129	45500	((single or one or sole) with filter) and ((air or gas) with (cleaner or purifier or filter))	US-PGPUB; USPAT	OR	OFF	2009/04/30 12:52
S130	2178	((single or one or sole) with filter) and ((air or gas) with (cleaner or purifier or filter)) and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/30 12:52
S131	1352	((single or one or sole) near4 filter) and ((air or gas) with (cleaner or purifier or filter)) and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/30 12:52
S132	1077	((single or one or sole) near4 filter) and ((air or gas) near4 (cleaner or purifier or filter)) and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/30 12:53
S133	832	((single or one or sole) near4 filter) and ((air or gas) near2 (cleaner or purifier or filter)) and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/30 12:53
S134	551	((single or one or sole) near4 filter) and ((air or gas) near4 (cleaner or purifier or filter)) and ozone and @py<"2005"	US-PGPUB; USPAT	OR	OFF	2009/04/30 12:53
S135	1570	428/36.9.ccls.	US-PGPUB; USPAT	OR	OFF	2009/04/30 12:57
S136	108	428/36.9.ccls. and filter	US-PGPUB; USPAT	OR	OFF	2009/04/30 12:57
S137	1166	"air conditioner" and filter and home	US-PGPUB; USPAT	OR	OFF	2009/04/30 12:59
S138	36	"air conditioner" and filter and home and deodorizing	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:00

S139	34	"air conditioner" and filter and home and deodoriz\$3 and dust	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:00
S140	1166	"air conditioner" and filter and home	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:05
S141	277	"air conditioner" and filter and home and dust	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:05
S142	1016026	filter	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:36
S143	1477067	filter and air or gas	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:36
S144	478250	filter and (air or gas)	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:36
S145	312456	filter and (air or gas) and flow	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:37
S146	1525	filter and (air or gas) and flow with bi\$1directional	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:37
S147	37945	filter and (air or gas) and flow with (bi\$1directional or (in and out))	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:38
S148	37945	filter and (air or gas) and (flow with (bi\$1directional or (in and out)))	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:38
S149	1897	filter and (air or gas) and (flow with (bi\$1directional or in\$5out))	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:39
S150	790	((single or one or sole) with filter) and (air or gas) and (flow with (bi \$1directional or in\$5out))	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:40
S151	9412	pre\$1filter	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:42
S152	5567	pre\$1filter and (air or gas)	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:42
S153	159	pre\$1filter and (air or gas) and counter\$1current	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:42
S154	5567	pre\$1filter and (air or gas)	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:44
S155	3702	pre\$1filter and (air or gas) and (exhaust or inlet or outlet)	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:44
S156	3514	pre\$1filter and (air or gas) and (exhaust or inlet or outlet) and flow	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:44
S157	414	pre\$1filter and (air or gas) and (exhaust or inlet or outlet) and flow and ozone	US-PGPUB; USPAT	OR	OFF	2009/04/30 13:44
S158	9	(earthed or grounded) with (cas\$3 or hous\$3) same "electric device"	US-PGPUB; USPAT	OR	OFF	2010/01/26 09:20

S159	36	(earthed or grounded) with (cas\$3 or hous\$3) and "ozone generator"	US-PGPUB; USPAT	OR	OFF	2010/01/26 09:21
S160	36	((earthed or grounded) with (cas\$3 or hous\$3)) and "ozone generator"	US-PGPUB; USPAT	OR	OFF	2010/01/26 09:21
S161	14	"faraday cage" and (ozone near1 generat\$3)	US-PGPUB; USPAT	OR	OFF	2010/01/26 09:31
S162	52	"faraday cage" and ((ozone near1 generat\$3) or ozonizer or ionizer or ("air purifier" with ozone))	US-PGPUB; USPAT	OR	OFF	2010/01/26 09:34
S163	237	((earthed or grounded) with (cas\$3 or hous\$3)) and ((ozone near1 generat\$3) or ozonizer or ionizer or ("air purifier" with ozone))	US-PGPUB; USPAT	OR	OFF	2010/01/26 09:35
S164	154	((earthed or grounded) with (cas\$3 or hous\$3)) and ((ozone near1 generat\$3) or ozonizer or ionizer or ("air purifier" with ozone)) and @py<"2005"	US-PGPUB; USPAT	OR	OFF	2010/01/26 09:35
S165	1	"0001737"	DERWENT	OR	ON	2010/01/27 15:26
S166	13455	(electrostatic filter) and (air with (cleaner or purifier))	US-PGPUB; USPAT	OR	OFF	2010/12/30 16:18
S167	5791	(electrostatic filter) and (air with (cleaner or purifier)) and @py<"2003"	US-PGPUB; USPAT	OR	OFF	2010/12/30 16:18
S168	98	("electrostatic filter") and (air with (cleaner or purifier)) and @py<"2003"	US-PGPUB; USPAT	OR	OFF	2010/12/30 16:19
S169	1	((("electrostatic filter") with benefit) and (air with (cleaner or purifier))) and @py<"2003"	US-PGPUB; USPAT	OR	OFF	2010/12/30 16:25
S170	1	((("electrostatic filter") with (benefit or advantage)) and (air with (cleaner or purifier))) and @py<"2003"	US-PGPUB; USPAT	OR	OFF	2010/12/30 16:25
S171	9	((("electrostatic filter") with (conventional)) and (air with (cleaner or purifier))) and @py<"2003"	US-PGPUB; USPAT	OR	OFF	2010/12/30 16:25
S172	17862	((ozone or ioniz\$3) near2 generat\$3)	US-PGPUB; USPAT	OR	OFF	2011/09/08 10:34

S173	3174	((ozone or ioniz\$3) near2 generat\$3) and ("422". clas. or "204".clas. or "205".clas.)	US-PGPUB; USPAT	OR	OFF	2011/09/08 10:34
S174	1697	((ozone or ioniz\$3) near2 generat\$3) and ("422". clas. or "204".clas. or "205".clas.) and @py< "2004"	US-PGPUB; USPAT	OR	OFF	2011/09/08 10:34
S175	1278	((ozone or ioniz\$3) near2 generat\$3) and ("422". clas. or "204".clas. or "205".clas.) and @py< "2004" and (corona or plasma or discharge)	US-PGPUB; USPAT	OR	OFF	2011/09/08 10:35
S176	751	((ozone or ioniz\$3) near2 generat\$3) with (corona or plasma or discharge) and ("422".clas. or "204".clas. or "205".clas.) and @py< "2004"	US-PGPUB; USPAT	OR	OFF	2011/09/08 10:58
S177	181	((ozone or ioniz\$3) near2 generat\$3) with (corona or plasma or discharge) and ("422".clas. or "204".clas. or "205".clas.) and @py< "2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean\$3))	US-PGPUB; USPAT	OR	OFF	2011/09/08 11:44
S178	367	((ozone or ioniz\$3) near2 generat\$3) with (corona or plasma or discharge) and @py< "2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean\$3))	US-PGPUB; USPAT	OR	OFF	2011/09/08 11:45
S179	328	((ozone) near2 generat\$3) with (corona or plasma or discharge) and @py< "2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean\$3))	US-PGPUB; USPAT	OR	OFF	2011/09/08 11:45
S180	340	((ozone or ioniz\$3) near2 generat\$3) with (corona or plasma or discharge) and @py< "2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean\$3)) and ozone	US-PGPUB; USPAT	OR	OFF	2011/09/08 11:45

S181	38	((ozone or ioniz\$3) near2 generat\$3) with (corona or plasma or discharge) and @py<"2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean\$3)).ti. and ozone	US-PGPUB; USPAT	OR	OFF	2011/09/08 11:46
S182	38	((ozone or ioniz\$3) near2 generat\$3) with (corona or plasma or discharge) and @py<"2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean\$3)).ti.	US-PGPUB; USPAT	OR	OFF	2011/09/08 11:46
S183	10	"2296172"	US-PGPUB; USPAT; DERWENT	OR	ON	2011/09/08 11:51
S184	36	"5529760"	US-PGPUB; USPAT	OR	ON	2011/09/08 11:52
S185	86	"5814135"	US-PGPUB; USPAT	OR	ON	2011/09/08 11:57
S186	17	"6776824"	US-PGPUB; USPAT	OR	ON	2011/09/08 12:03
S187	38	((ozone or ioniz\$3) near2 generat\$3) with (corona or plasma or discharge) and @py<"2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean\$3 or disinfect\$3)).ti.	US-PGPUB; USPAT	OR	OFF	2011/09/08 12:06
S188	40	((ozone or ioniz\$3) near2 generat\$3) with (corona or plasma or discharge) and @py<"2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean\$3 or disinfect\$3 or process\$3)).ti.	US-PGPUB; USPAT	OR	OFF	2011/09/08 12:06
S189	239	((ozone or ioniz\$3) near2 generat\$3) with (corona or plasma or discharge) and @py<"2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean\$3 or disinfect\$3 or process\$3)) and ("422".clas. or "205". clas. or "204".clas. or "95". clas. or "96".clas.)	US-PGPUB; USPAT	OR	OFF	2011/09/08 16:47

S190	725	single with filter with (inlet or entrance) with (outlet or exit)	US-PGPUB; USPAT	OR	ON	2011/09/09 09:43
S191	349	single with filter with (inlet or entrance) with (outlet or exit) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/09/09 09:43
S192	66	single with filter with (inlet or entrance) with (outlet or exit) and @py<"2004" and ("95".clas. or "96".clas. or "204".clas. or "205".clas. or "422".clas.)	US-PGPUB; USPAT	OR	ON	2011/09/09 09:44
S193	77	single near2 filter with (inlet or entrance) with (outlet or exit) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/09/09 09:47
S194	1356	(cover\$3 or one or sole) near2 filter with (inlet or entrance) with (outlet or exit) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/09/09 10:47
S195	914	(cover\$3 or one or sole) near2 filter with (inlet or entrance) near4 (outlet or exit) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/09/09 10:47
S196	189	(cover\$3 or one or sole) near2 filter with (inlet or entrance) near4 (outlet or exit) and @py<"2004" and ("95".clas. or "96".clas. or "204".clas. or "205".clas. or "422".clas.)	US-PGPUB; USPAT	OR	ON	2011/09/09 10:48
S197	46	("1270613" "2722993" "2763139" "2875680" "3013630" "3216183" "3350854" "3552099" "3616620" "3710588" "4174205" "4239516" "4293378" "4627863"). PN. OR ("4894071").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/09 10:53
S198	49	("3779199" "3812370" "3861894" "3864106" "3928008" "4319899" "4334899" "4370155" "4385911" "4560395" "4701195" "4737173" "4867764" "4894071" "4900344" "4917713" "4977853" "5029598" "5087004" "5139546" "5141706" "5167681" "5240478" "5290330" "5299634" "5462653" "D300847" "D305929" "D308414" "D323210" "D324419" "D338709").	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/09 11:00

		PN. OR ("5840092").URPN.				
S199	17	("D266585" "D280013" "D280128" "D281101" "D286813").PN. OR ("D305929").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/09 11:10
S200	126	("2085758" "2086063" "2297601" "2307602" "2359057" "2715056" "2814355" "2864460" "2917130" "2927659" "2948353" "2950387" "3059394" "3094400" "3271932" "3520172").PN. OR ("3744216").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/09 11:16
S201	0	surge near2 protected near2 transformer with motor with (fan or blower)	US-PGPUB; USPAT	OR	ON	2011/09/09 11:19
S202	2	surge near2 protect\$3 near2 transformer with motor with (fan or blower)	US-PGPUB; USPAT	OR	ON	2011/09/09 11:20
S203	2	surge near2 protect\$3 near2 (transformer or "power supply") with motor with (fan or blower)	US-PGPUB; USPAT	OR	ON	2011/09/09 11:20
S204	9	surge near2 protect\$3 with motor with (fan or blower)	US-PGPUB; USPAT	OR	ON	2011/09/09 11:20
S205	4	surge near2 protect\$3 near2 (transformer or "power supply") with motor	US-PGPUB; USPAT	OR	ON	2011/09/09 11:21
S206	0	surge near2 protect\$3 near2 (transformer or "power supply") with "electrical appliance"	US-PGPUB; USPAT	OR	ON	2011/09/09 11:22
S207	32	surge near2 protect\$3 with "electrical appliance"	US-PGPUB; USPAT	OR	ON	2011/09/09 11:22
S208	22	surge near2 protect\$3 with "electrical appliance" and @py< "2005"	US-PGPUB; USPAT	OR	ON	2011/09/09 11:22
S209	22	surge near2 protect\$3 with ("electrical appliance" or "household appliance") and @py< "2005"	US-PGPUB; USPAT	OR	ON	2011/09/09 11:23
S210	46	surge near2 protect\$3 with ("electrical appliance" or appliance) and @py< "2005"	US-PGPUB; USPAT	OR	ON	2011/09/09 11:23
S211	15326	filter with (inlet or entrance) with (outlet or exit) and @py< "2004"	US-PGPUB; USPAT	OR	ON	2011/09/09 11:35
S212	8744	filter near4 (inlet or entrance) with (outlet or exit) and @py< "2004"	US-PGPUB; USPAT	OR	ON	2011/09/09 11:36

S213	486	(one or single) near2 filter near4 (inlet or entrance) with (outlet or exit) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/09/09 11:36
S214	8744	filter near4 (inlet or entrance) with (outlet or exit) and @py<"2004"	US-PGPUB; USPAT	OR	ON	2011/09/09 11:37
S215	1829	filter near4 (inlet or entrance) with (outlet or exit) and @py<"2004" and (air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean \$3 or disinfect\$3 or process \$3))	US-PGPUB; USPAT	OR	ON	2011/09/09 11:37
S216	462	filter near4 (inlet or entrance) with (outlet or exit) and @py<"2004" and ((air near2 (steriliz\$5 or filtrat\$3 or deodoriz\$3 or treat\$4 or purif\$7 or clean \$3 or disinfect\$3 or process \$3)).ti. or (air near2 (steriliz \$5 or filtrat\$3 or deodoriz \$3 or treat\$4 or purif\$7 or clean\$3 or disinfect\$3 or process\$3)).ab.)	US-PGPUB; USPAT	OR	ON	2011/09/09 11:41
S217	9	"5968215"	US-PGPUB; USPAT	OR	ON	2011/09/12 14:52
S218	20	("2665627" "2980208" "3274759" "3798879" "3810350" "4371322" "4725290" "4799944" "4874517" "5643079"). PN. OR ("5968215").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/09/12 14:54
S219	47	(US-20070086932-\$ or US-20030131439-\$ or US-20060182672-\$ or US-20070060472-\$ or US-20040201946-\$ or US-20040184972-\$ or US-20040140194-\$ or US-20040047776-\$ or US-20020062739-\$ or US-20030206840-\$ or US-20030188736-\$ or US-20030155228-\$ or US-20030107855-\$).did. or (US-5087428-\$ or US-7040101-\$ or US-5788930-\$ or US-4990311-\$ or US-5968214-\$ or US-5445798-\$ or US-5055115-\$ or US-6358478-\$ or US-6235090-\$ or US-5961920-\$ or US-5501844-\$ or US-5552125-	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2011/09/14 13:06

		\$ or US-5135725-\$ or US-5656063-\$ or US-5520893-\$ or US-4960569-\$ or US-5290330-\$ or US-5169606-\$ or US-4049400-\$ or US-5529613-\$ or US-4391773-\$ or US-5702507-\$ or US-4894071-\$ or US-5925172-\$ or US-6494940-\$ or US-4560395-\$.did. or (US-3744216-\$.did. or (EP-1348448-\$ or GB-2358350-\$.did. or (WO-03028880-\$ or WO-0217978-\$ or JP-51103095-\$ or WO-9316001-\$ or GB-2296172-\$.did.				
S220	43	S219 and (voltage or power or watt\$3 or kV or volts)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/09/14 13:06

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